

**FUSION MOLECULES, AND METHODS OF USE THEREOF, FOR  
THE TREATMENT OF IMMUNE DISEASES**

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**Abstract of the Disclosure**

The invention concerns bifunctional fusion molecules, and novel, safer and more efficacious methods for the treatment of immune disorders resulting from excessive or unwanted immune responses. The invention provides methods for the suppression of type I hypersensitive (*i.e.*, IgE-mediated) allergic conditions, methods for the prevention of anaphylactic responses that occur as a result of traditional peptide immunotherapies for allergic and autoimmune disorders, and provides novel methods for the treatment of autoimmune conditions, where the methods have reduced risk of triggering an anaphylactic response. The invention provides novel therapeutic approaches for the treatment of allergic responses, including the prevention of anaphylactic response that can occur from environmental allergen exposure. The invention also provides methods for the treatment of autoimmune disorders such as multiple sclerosis, autoimmune type I diabetes mellitus, and rheumatoid arthritis. The invention also provides methods for preventing anaphylactic response during traditional antigen therapies.